

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Express Mail No.: EL627511168US

Applicant(s): WICHMAN et al.

SERIAL NO.:

EXAMINER:

FILING DATE: Herewith

ART UNIT:

TITLE: METHOD FOR TRANSMITTING INFORMATION IN A COMMUNICATION
SYSTEM, A COMMUNICATION SYSTEM AND A WIRELESS COMMUNICATION
DEVICE

ATTORNEY DOCKET NO.: 460-010710-US (PAR)

Commissioner of Patents

Washington, D.C. 20231



INFORMATION DISCLOSURE STATEMENT

Dear Sir:

The following information is being disclosed to the Patent and Trademark Office as information that may be material to the examination of the above-identified patent application.

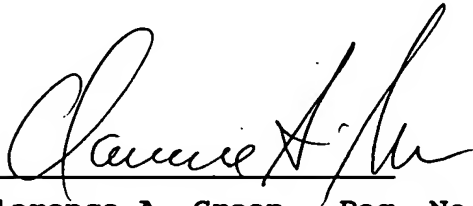
This Information Disclosure Statement is filed together with the above-identified patent application. Thus, a certification under 37 CFR (e) or fee under 37 CFR 1.17(p) is not required for the information herein to be considered.

The above-identified patent application claims priority to Finnish Patent Application No. FI 20002568 filed November 23, 2000. Applicants' attorney encloses a copy of a Finnish Office Action (and English translation thereof) issued on the priority Finnish Patent Application No. FI 20002568. The Office Action cited "Optimum training sequences for OFDM Systems With Multiple Transmit Antennas", Globecom '00 - IEEE, Global Telecommunications Conference, 2000, pp. 1478-1482, Vol. 3; "Channel Estimation And Adaptive Power Allocation For

Performance And Capacity Improvement Of Multiple Antenna OFDM Systems", 2001 IEEE Third Workshop on Signal Processing Advances in Wireless Communications, Tung et al., pp. 82-85; "Optimal Sequences For Channel Estimation Using Discrete Fourier Transform Techniques", IEEE Transactions on Communications, Tellambura et al., Vol. 47, No. 2, 1999, pp. 230-238.

Copies of the Finnish Office Action, English translation thereof and cited references are enclosed together with PTO-Form 1449.

Respectfully submitted,



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Date

**INFORMATION DISCLOSURE
CITATION FORM FOR
PATENT APPLICATION
(FORM PTO-1449)
(Substitute)**

Docket No.: 460-010710-US(PAR)

Serial No.:

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Group:

**U.S. PATENTS**

| Initials | Patent Number | Issue Date | Name | Class | Sub-class | Filing date |
|----------|---------------|------------|------|-------|-----------|-------------|
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FOREIGN PATENT DOCUMENTS

| Initials | Document Number | Date | Country | Name | Translation? Yes/No/n/a |
|----------|-----------------|------|---------|------|----------------------------|
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OTHER DOCUMENTS (Title, Author, Date, Pages, Etc., if known)

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| | "Optimum training sequences for OFDM Systems With Multiple Transmit Antennas", Globecom '00 - IEEE, Global Telecommunications Conference, 2000, pp. 1478-1482, Vol. 3. |
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| | "Channel Estimation And Adaptive Power Allocation For Performance And Capacity Improvement Of Multiple Antenna OFDM Systems", 2001 IEEE Third Workshop on Signal Processing Advances in Wireless Communications, Tung et al., pp. 82-85. |
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| | "Optimal Sequences For Channel Estimation Using Discrete Fourier Transform Techniques", IEEE Transactions on Communications, Tellambura et al., Vol. 47, No. 2, 1999, pp. 230-238. |
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Examiner's Signature:

Date Considered:

Initial if reference was considered, whether or not citation is in conformance with MPEP. Mark through citation if not considered.
Include a copy of this citation form with your next correspondence to the Applicant(s).